

# Checklist of Resource Concerns

## FOREST

<b>CLIENT</b>		<b>LOCATION</b>	
<b>PLANNER</b>		<b>DATE</b>	
<b>LAND UNITS</b>		<b>TOOLS</b>	

This check sheet is designed to assist planners and clients in identifying resource concerns during the planning process. The planning criteria in Section III of the FOTG sets the minimum level of treatment needed. If a screening question is NO, this indicates no resource concern exists and no assessment is required. If a screening question is YES, the assessment must be completed to evaluate if there is a resource concern. If the Assessment is YES, Planning Criteria is met. If the Assessment is NO, the Planning Criteria is not met and a Resource Concern exists.

Resource Concern  * required response	Screening Questions  No = Met Screening (Not a RC)  YES = Go to Assessment	Y E S	N O	Assessment Tools	Assessment Level Required to Meet Planning Criteria  YES = Meets Planning Criteria NO = Resource Concern	Y E S	N O
<b>SOILS RESOURCES</b>							
<b>1. SOIL EROSION: Sheet, rill and wind *</b>	Is soil surface organic residue cover < 80%?			➤ Visual inspection ➤ Include photos	Is the site stable and without visible signs of erosion?		
<b>2.SOIL EROSION: Concentrated flow erosion *</b>	Are classic gullies present?			➤ Field measurements ➤ Planner observation	Is classic gully management adequate to stop the progression of head cutting and widening and are offsite impacts are minimized by vegetation and/or structures?		
<b>3.SOIL EROSION: Excessive bank erosion from streams, shorelines or water conveyance channels</b>	Are streams or shoreline on or adjacent to site?			➤ SVAP2 ➤ PFC ➤ BEHI	For shorelines and water conveyance channels; Are banks stable or commensurate with normal geomorphological processes? <b>AND</b> For streambanks; Is SVAP2 bank condition element score >=5?		
	Is bank erosion from streams, shorelines or conveyance channels present?				<b>OR</b> If present, is bank erosion caused by upstream land use and beyond the client's control?		
<b>4. SOIL QUALITY DEGRADATION: Subsidence</b>	Are Histisol soils present?			➤ Client input ➤ Planner observation ➤ Include photos	Is subsidence adequately managed to meet client's objectives?		
	Are there Histisols present exhibiting subsidence?						
<b>5. SOIL QUALITY DEGRADATION: Compaction</b>	NONE			➤ Soil Quality Test Kit ➤ Observation of soil and plant condition ➤ Client input ➤ Planner observation ➤ Compaction Meter ➤ Shovel	Is compaction managed to meet Client's production and management objectives?		
<b>6. SOIL QUALITY DEGRADATION: Organic matter depletion</b>	NONE			➤ Client Input ➤ Planner observation ➤ Include photos	Does ground cover meet state criteria specific to ecological site?		
					<b>OR</b> Is soil organic matter managed to meet Client objectives?		

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<b>WATER RESOURCES</b>							
<b>8. EXCESS WATER:</b> Ponding, flooding, seasonal high water table, seeps and drifted snow	Is excess water a problem? <b>AND</b> Do activities cause ponding/flooding problems?			<ul style="list-style-type: none"> <li>➤ Client Input</li> <li>➤ Planner observation</li> <li>➤ Include photos</li> </ul>	Is excess water managed to meet Client's objectives?		
<b>9. INSUFFICIENT WATER:</b> Inefficient moisture management	Is Moisture Management a problem? <b>AND</b> Do activities cause inefficient moisture management?			<ul style="list-style-type: none"> <li>➤ Client Input</li> <li>➤ Planner observation</li> </ul>	Are runoff and evapotranspiration levels minimized to meet Client's management objectives?		
<b>10. INSUFFICIENT WATER:</b> Inefficient use of irrigation water *	Is the PLU irrigated?			<ul style="list-style-type: none"> <li>➤ FIRI can be utilized to assist the producer to determine their efficiency objective</li> </ul>	The irrigation system efficiency meets or exceeds the producer's production and management objectives.		
<b>11. WATER QUALITY DEGRADATION:</b> Excess nutrients in surface and groundwater	Are water courses on or adjacent to the site and are not designated by a State Agency?			<ul style="list-style-type: none"> <li>➤ Nutrient budget</li> <li>➤ PCS</li> </ul>	If nutrients are applied, are they based on a soil test, tissue tests or nutrient budget? <b>AND</b> Are conservation practices and managements in place to minimize offsite impacts?		
<b>12. WATER QUALITY DEGRADATION:</b> Pesticides transported to surface and groundwaters	Are pest control chemicals applied? <b>AND</b> Are water courses on or adjacent to the site and are not designated by a State Agency?			<ul style="list-style-type: none"> <li>➤ Client input</li> <li>➤ Planner observation</li> <li>➤ Include photos</li> <li>➤ WinPST</li> </ul>	Are pesticides stored, handled, disposed and managed to prevent runoff, spills, leaks and leaching? <b>AND</b> Are conservation practices and managements in place to minimize offsite impacts?		
<b>13. WATER QUALITY DEGRADATION:</b> Excess pathogens and chemicals from manure, biosolids or compost applications	Are potential sources of pathogens or pharmaceuticals applied on the land? <b>AND</b> Are water courses on or adjacent to the site and are not designated by a State Agency?			<ul style="list-style-type: none"> <li>➤ Client input</li> <li>➤ Planner observation</li> <li>➤ Include photos</li> <li>➤ UMARI</li> </ul>	Are organic materials applied, stored, and/or handled to mitigate negative impacts to water sources?		

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<b>14. WATER QUALITY DEGRADATION: Excessive salts in surface and groundwater</b>	Is salt concentration a limiting factor? <b>OR</b> You are not part of the Colorado River <b>AND</b> Are water courses on or adjacent to the site and are not designated by a State Agency?			<ul style="list-style-type: none"> <li>➤ Client input</li> <li>➤ Planner observation</li> <li>➤ Include photos</li> </ul>	Are salt concentrations managed to mitigate off-site transport to surface or ground waters?		
<b>15. WATER QUALITY DEGRADATION: Petroleum, heavy metals and other pollutants transported to receiving waters</b>	Do activities present the potential for contamination? <b>AND</b> Are water courses on or adjacent to the site and are not designated by a State Agency?			<ul style="list-style-type: none"> <li>➤ Client input</li> <li>➤ Planner observation</li> <li>➤ Include photos</li> </ul>	Are petroleum, heavy metals or other potential pollutants stored and handled to avoid runoff or leaching?		
<b>16. WATER QUALITY DEGRADATION: Excessive sediment in surface waters*</b>	Are there untreated sources of erosion? <b>AND</b> Are streams or shoreline on or adjacent to site? <b>AND</b> Are water courses on or adjacent to the site and are not designated by a State Agency?			<ul style="list-style-type: none"> <li>➤ Client input</li> <li>➤ Planner observation</li> <li>➤ Include photos</li> <li>➤ SVAP2</li> </ul>	Do upslope treatment and buffer practices address concentrated flows to water bodies? <b>AND</b> Are heavy use areas stable? <b>AND</b> SVAP2 - bank condition $\geq 5$ ?		
<b>17. WATER QUALITY DEGRADATION: Elevated water temperature</b>	Is there a water course on or adjacent to the site with State Agency identified temperature impairment?			<ul style="list-style-type: none"> <li>➤ Client input</li> <li>➤ Planner observation</li> <li>➤ Include photos</li> <li>➤ SVAP2</li> </ul>	Is SVAP2 - riparian area quality element score $\geq 5$ ? <b>AND</b> Is SVAP2 - riparian area quantity quality element score $\geq 5$ ? <b>AND</b> Is SVAP2 - canopy cover element score $\geq 6$ ?		
	Is water course temperature a client concern? <b>AND</b> Are water courses on or adjacent to the site and are not designated by a State Agency?				<b>OR</b> Are existing practices in place to address water temperature?		

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<b>PLANT RESOURCES</b>							
<b>18. DEGRADED PLANT CONDITION: Undesirable plant productivity and health</b>	NONE			<ul style="list-style-type: none"> <li>➤ Client input</li> <li>➤ Planner Observation</li> <li>➤ Include photos</li> <li>➤ Forest inventory</li> <li>➤ Transect forms</li> </ul>	Are forest species adapted to site? <b>AND</b> Do composition and stand density meet Client's objectives and production goals?		
<b>19. DEGRADED PLANT CONDITION: Inadequate structure and composition</b>	Will changes to the plant community structure or composition better support the desired ecological functions and intended land use?			<ul style="list-style-type: none"> <li>➤ Client input</li> <li>➤ Planner Observation</li> <li>➤ Include photos</li> <li>➤ Ecological Site Descriptions</li> <li>➤ WHEG</li> </ul>	Do plant communities contain adequate diversity, composition and structure to support desired ecological functions? <b>OR</b> WHEG score $\geq 5$		
<b>20. DEGRADED PLANT CONDITION: Excessive plant pest pressure*</b>	Is plant productivity limited from pest pressure?			<ul style="list-style-type: none"> <li>➤ Client input</li> <li>➤ Planner observation</li> <li>➤ Include photos</li> <li>➤ Utah Invasive Species List</li> <li>➤ Similarity Index Worksheet</li> </ul>	Is pest damage to plants below economic or environmental thresholds or client-identified criteria? <b>AND</b> Are plant pests, including noxious and invasive species managed to meet client objectives?		
<b>21. DEGRADED PLANT CONDITION: Wildfire hazard, excessive biomass accumulation</b>	Is wildfire hazard a concern?			<ul style="list-style-type: none"> <li>➤ Client input</li> <li>➤ Planner observation</li> <li>➤ Include photos</li> <li>➤ Guide for quantifying fuels in the Sagebrush Steppe and Juniper Woodlands of the Great Basin</li> </ul>	Are fuel loads and fuel ladders managed to provide defensible space and meet client objectives?		
<b>ANIMAL RESOURCES</b>							
<b>23. LIVESTOCK PRODUCTION LIMITATION: Inadequate feed and forage*</b>	NONE			<ul style="list-style-type: none"> <li>➤ Client input</li> <li>➤ Planner observation</li> </ul>	Are fuel loads and fuel ladders managed to provide defensible space and meet client objectives?		
<b>24. LIVESTOCK PRODUCTION LIMITATION: Inadequate livestock shelter*</b>	NONE			<ul style="list-style-type: none"> <li>➤ Client input</li> <li>➤ Planner Observation</li> <li>➤ Include photos</li> <li>➤ Wind Factor Map</li> </ul>	Do artificial or natural shelters meet animal health needs and client objectives?		
<b>25. LIVESTOCK PRODUCTION LIMITATION: Inadequate livestock water*</b>	Is PLU grazed?			<ul style="list-style-type: none"> <li>➤ Client input</li> <li>➤ Planner Observation</li> <li>➤ Include photos</li> <li>➤ GRAS</li> <li>➤ Tool for water distribution</li> </ul>	Is water of acceptable quality and quantity adequately distributed to meet animal needs?		

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NOTES: